Bruhat Bengaluru
Mahanagara Palike

E-BILL

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHAKA ZONE

Name of Work:- Improvements and Asphalting to Roads at Synika Vihara Badavane Main Road in Chowdeshwari Ward No.02 Of Yelahanka sub division

Estimated Cost RS:- 30.00 Lakh,s

Agency:- Sri,N.Thiru Nagendra

Final Bill

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:-Improvements and Asphalting to roads at Synika Vihara Badavane Main Road in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri, N.Thiru Nagendra

MEASUREMENT SHEET Bill NO.-Final Bill

Pre-Measurements Taken On:- 04/07/2020

S.NO	Description of item's	Unit	No	Measurements L	Measurements B	Measurements D	Qty	Remarks
1	KSRRB M300:- Excavation for road, drains and similar works KSRRB 300-1.Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2m and an average lift up to 0.5m.excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clouds complete as per specifications.MORTH /chapter 3(p.no-143,i,no-19,1)							
	Sainik Vihar Layout RCC Drain	cum						
	Karanthar House Road, R/Side Balance Portion		1	30.00	1.10	0.85	28.05	
			1	30.00	1.10	0.85	28.05	
			1	30.00	1.10	0.85	28.05	
			1	12.50	1.10	0.85	11.69	
			1	30.00	1.10	0.85	28.05	
			1	30.00	1.10	0.85	28.05	
	For RCC culvert-R/Side		1	8.50	1.40	1.00	11.90	
	L/Side		1	7.30	1.40	1.00	10.22	
					Total Quantity		174.06	

Contractor

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division

Assistant Executive Engineer
Yelahanka Sub Division
(BBMP Ink Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:-Improvements and Asphalting to roads at Synika Vihara Badavane Main Road in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri, N.Thiru Nagendra

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:-23/07/2020

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
3	Providing and laying plain/ Reinforced cement concrete for side drains using M20 nominal mix concrete with opc at 300kgs with 20mm and down size granite metal coarse aggregates @0.69cum and fine aggregates @0.43 cum machine mixed,well compacted for walls and bottom including centering ,shuttering,cost of materials,HOM of machinery,curing etc,complete excluding cost ofsteel as per MORTH specification No.1500,1700,2000.including cost of materials,labour,HOM complete as per specifications. (Page No 271. Item No. 37.59.2 of PW,P&IWTD SR 2018-19)							
	Sainik Vihar Layout RCC Drain Raft Concrete	cum						
	Karanthar House Road, R/Side Balance Portion		1	30.00	0.90	0.15	4.05	
			1	30.00	0.90	0.15	4.05	
			1	30.00	0.90	0.15	4.05	
			1	12.50	0.90	0.15	1.69	
	:-		1	30.00	0.90	0.15	4.05	
			1	30.00	0.90	0.15	4.05	
	For RCC culvert:-R/Side		1	8.50	1.20	0.20	2.04	
	L/Side)		1	7.30	1.20	0.20	1.75	
	Sidewalls							
	Karanthar House Road, R/Side Balance Portion		2	30.00	0.15	0.60	5.40	
			2	30.00	0.15	0.60	5.40	
			2	30.00	0.15	0.60	5.40	
			2	12.50	0.15	0.60	2.25	
	:-		2	30.00	0.15	0.60	5.40	
			2	30.00	0.15	0.60	5.40	
	For RCC culvert:-R/Side		2	8.50	0.20	0.60	2.04	
	L/Side		2	7.30	0.20	0.60	1.75	
					Total Quantity		58.77	
					Limited To Schedule B Qty		57.60	

N. Thiru
Contractor

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division

Asst. Executive Engineer
Yelahanka (S) Division
(BBMP/WR-2A)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:-Improvements and Asphalting to roads at Synika Vihara Badavane Main Road in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri, N.Thiru Nagendra

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 28/07/2020

S.NO	Description of item's	Unit	No	Measurements L	Measurements B	Measurements D	Qty	Remarks
5	Providing and fixing RCC Pre cast cover Slab of 100mm thick for drain made out of cc 1:1.5:3 and jelly 20mm down size with steel reinforcement including form work, lift charges,curing and concrete finished on both sides etc,complete as per drawing and direction of engineer in charge.(Data Rate).							
	Sainik Vihar Layout RCC Drain Covering Slabs	sqm						
	Karanthar House Road, R/Side Balance Portion		1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	12.50	0.90		11.25	
			1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
					Total Quantity		146.25	
					Limited To Schedule B Qty		144.00	

Contractor

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division

Asst. Exec. Engineer
Yelahanka
(BBMP Pink Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:-Improvements and Asphalting to roads at Synika Vihara Badavane Main Road in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri, N.Thiru Nagendra

MEASUREMENT SHEET Bill N0:-Final Bill

Pre-Measurements Taken On:- 31/07/2020

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
7	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1.00 km and complete as per specifications.MORTH Specification No.301(p.no-143,i,no-19,14)							
	Sainik Vihar Layout							
	Karanthara House to Basheer ahamad house Road	cum	1	5.00	(5.50+4.10) / 2	0.23	5.52	
			1	30.00	(4.10+3.80) / 2	0.23	27.26	
			1	30.00	(3.80+4.00) / 2	0.23	26.91	
			1	30.00	(4.00+3.90) / 2	0.23	27.26	
			1	30.00	(3.90+4.00) / 2	0.23	27.26	
			1	30.00	(4.00+3.8) / 2	0.23	26.91	
			1	30.00	(3.80+4.30) / 2	0.23	27.95	
			1	11.00	(4.30+5.20) / 2	0.23	12.02	
			1	30.00	(4.40+4.30) / 2	0.23	30.02	
			1	14.60	(4.30+4.20) / 2	0.23	14.27	
					Total Quantity		225.35	

C&RC
31/07

A.E.E

N.Thiru
Contractor

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:-Improvements and Asphalting to roads at Synika Vihara Badavane Main Road in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri, N.Thiru Nagendra

Pre-Measurements Taken On:- 10/08/2020 MEASUREMENT SHEET Bill NO:-Final Bill

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
9	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting withvibratory roller to achieve the desired density complete as per specifications.MORTH Specification No. 406(p.no.155.item no.20.18)							
	Sainik Vihar Layout							
	Karanthara House to Basheer ahamad house Road	cum	1	5.00	(5.50+4.10)/2	0.23	5.52	
			1	30.00	(4.10+3.80)/2	0.23	27.26	
			1	30.00	(3.80+4.00)/2	0.23	26.91	
			1	30.00	(4.00+3.90)/2	0.23	27.26	
			1	30.00	(3.90+4.00)/2	0.23	27.26	
			1	30.00	(4.00+3.8)/2	0.23	26.91	
			1	30.00	(3.80+4.30)/2	0.23	27.95	
			1	11.00	(4.30+5.20)/2	0.23	12.02	
			1	30.00	(4.40+4.30)/2	0.23	30.02	
			1	14.60	(4.30+4.20)/2	0.23	14.27	
					Total Quantity		225.35	

Contractor

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division

Asst. Executive Engineer
Yelahanka Division
(BBMP/YNK Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:-Improvements and Asphalting to roads at Synika Vihara Badavane Main Road in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri, N.Thiru Nagendra

Pre-Measurements Taken On:- 12/08/2020

MEASUREMENT SHEET Bill N0:-Final Bill

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
11	KSRRB M500- 17. Providing laying dense graded bitumrn macadam using crushed aggregates of sprcified grading premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying to the required grade ,level and alignment, rolling with wheeled,vibratory and tandeem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.MORTH Specification No,507.Using 100/120 TPH capacity HMP with sensor paver Gr-II(50MM TO 75MM)WITH 4.5% VG-30 Bitumen(page No.160.I.No-21.17.6)							
	Sainik Vihar Layout							
	Karanthara House to Basheer ahamad house Road	cum	1	5.00	(5.50+4.10)/2	0.05	1.20	
			1	30.00	(4.10+3.80)/2	0.05	5.92	
			1	30.00	(3.80+4.00)/2	0.05	5.85	
			1	30.00	(4.00+3.90)/2	0.05	5.93	
			1	30.00	(3.90+4.00)/2	0.05	5.93	
			1	30.00	(4.00+3.8)/2	0.05	5.85	
			1	30.00	(3.80+4.30)/2	0.05	6.08	
			1	11.00	(4.30+5.20)/2	0.05	2.61	
			1	30.00	(4.40+4.30)/2	0.05	6.53	
			1	14.70	(4.30+4.20)/2	0.05	3.10	
					Total Quantity		48.99	

A.E. 12/8

N. Thiru
Contractor

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:-Improvements and Asphalting to roads at Synika Vihara Badavane Main Road in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri, N.Thiru Nagendra

Pre-Measurements Taken On:-28/08/2020

MEASUREMENT SHEET Bill N0:-Final Bill

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
12	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen (VG10)on the prepared black topped surfaces at 0.25 kg per sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5(page no.158.item no.21.7)							
	Sainik Vihar Layout							
	Karanthara House to Basheer ahamad house Road	sqm	1	5.00	(5.50+4.10)/2		24.00	
			1	30.00	(4.10+3.80)/2		118.50	
			1	30.00	(3.80+4.00)/2		117.00	
			1	30.00	(4.00+3.90)/2		118.50	
			1	30.00	(3.90+4.00)/2		118.50	
			1	30.00	(4.00+3.8)/2		117.00	
			1	30.00	(3.80+4.30)/2		121.50	
			1	11.00	(4.30+5.20)/2		52.25	
			1	30.00	(4.40+4.30)/2		130.50	
			1	14.60	(4.30+4.20)/2		62.05	
					Total Quantity		979.80	

Contractor

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division
(BBMP/YNK ZN)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:-Improvements and Asphalting to roads at Synika Vihara Badavane Main Road in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri, N.Thiru Nagendra

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 28/08/2020

S.NO	Description of item's	Unit	No	Measurements L	Measurements B	Measurements D	Qty	Remarks
13	Providing and laying Bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of sprcified grading premixed with bituminous binder and filler transporting the hot mix to work site laying with a paver finisher to the required grade ,level and alignment, rolling with wheeled,vibratory and tandeem rollers to achieve the desired compaction in all respects complete as per specifications.clause 507 of MORTH V revision as per IRC SP-53-2015,Do-using 40-60 TPH capacity HMP WITH mechanical paver grading II(30-45MM)WITH 5.4% of modified bituminous binder consisting of 4.97% of VG-30 Bitumen(60/70 grade)and 0.43% of Plastomeric thermoplastics(Waste Plastic)(Page No.171.Item No.21.78.12)							
	Sainik Vihar Layout							
	Karanthara House to Basheer ahamad house Road	sqm	1	5.00	(5.50+4.10)/2	0.03	0.72	
			1	30.00	(4.10+3.80)/2	0.03	3.56	
			1	30.00	(3.80+4.00)/2	0.03	3.51	
			1	30.00	(4.00+3.90)/2	0.03	3.56	
			1	30.00	(3.90+4.00)/2	0.03	3.56	
			1	30.00	(4.00+3.8)/2	0.03	3.51	
			1	30.00	(3.80+4.30)/2	0.03	3.65	
			1	11.00	(4.30+5.20)/2	0.03	1.57	
			1	30.00	(4.40+4.30)/2	0.03	3.92	
			1	14.60	(4.30+4.20)/2	0.03	1.86	
					Total Quantity		29.39	

Contractor

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP/WK 28)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work:-Improvements and Asphalting to roads at Synika Vihara Badavane Main Road in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri, N.Thiru Nagendra

MEASUREMENT SHEET Bill N0:-Final Bill

Measurements Taken On:- 05/09/2020

S.NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
14	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(page no-182,i no-24.15)							
	Sainik Vihar Layout							
	Basheer ahamad house to Karanthara House Road	sqm	2	5.00	0.10		1.00	
			2	30.00	0.10		6.00	
			2	30.00	0.10		6.00	
			2	30.00	0.10		6.00	
			2	30.00	0.10		6.00	
			2	30.00	0.10		6.00	
			2	30.00	0.10		6.00	
			2	11.00	0.10		2.20	
			2	30.00	0.10		6.00	
			2	14.60	0.10		2.92	
					Total Quantity		**48.12**	
					Limited To Schedule B Qty		**35.00**	

Contractor

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Pak. Zn)
Yelahanka, Bangalore